

08/16/01

11048 U.S. PTO

08-17-01

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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	050438-302286
First Inventor	George E. Bittner
Title	APPARATUS AND METHOD FOR A HEAT ENGINE
Express Mail Label No.	EL908814014US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **25**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4**]
5. Oath or Declaration [Total Pages **2**]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies


ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No.: _____
Prior application information: Examiner _____		Group Art Unit: _____	

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label  or ☐ Correspondence address below

Name

Address

City

Country

28264

PATENT TRADEMARK OFFICE

State

Zip Code

Telephone

Fax

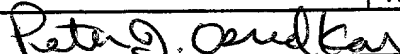
Name (Print/Type)

Peter J. Osredkar

Registration No. (Attorney/Agent)

45,795

Signature



Date

08/15/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JC879 U.S. PTO

09/19/01

08/16/01

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 926.00

Complete if Known

Application Number	
Filing Date	08/15/2001
First Named Inventor	George E. Bittner
Examiner Name	
Group Art Unit	
Attorney Docket No.	050438-302286

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number 50-1546
- Deposit Account Name
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27
2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	201	710	355	Utility filing fee	355
106	206	320	160	Design filing fee	
107	207	490	245	Plant filing fee	
108	208	710	355	Reissue filing fee	
114	214	150	75	Provisional filing fee	

SUBTOTAL (1) (\$) 355

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
79	-20** = 59	9	531
4	-3** = 1	40	40
Multiple Dependent		0	0

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
103	203	18	9	Claims in excess of 20
102	202	80	40	Independent claims in excess of 3
104	204	270	135	Multiple dependent claim, if not paid
109	209	80	40	** Reissue independent claims over original patent
110	210	18	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 571

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	205	130	65	Surcharge - late filing fee or oath	
127	227	50	25	Surcharge - late provisional filing fee or cover sheet	
139	239	130	130	Non-English specification	
147	247	2,520	2,520	For filing a request for <i>ex parte</i> reexamination	
112	212	920*	920*	Requesting publication of SIR prior to Examiner action	
113	213	1,840*	1,840*	Requesting publication of SIR after Examiner action	
115	215	110	55	Extension for reply within first month	
116	216	390	195	Extension for reply within second month	
117	217	890	445	Extension for reply within third month	
118	218	1,390	695	Extension for reply within fourth month	
128	228	1,890	945	Extension for reply within fifth month	
119	219	310	155	Notice of Appeal	
120	220	310	155	Filing a brief in support of an appeal	
121	221	270	135	Request for oral hearing	
138	238	1,510	1,510	Petition to institute a public use proceeding	
140	240	110	55	Petition to revive - unavoidable	
141	241	1,240	620	Petition to revive - unintentional	
142	242	1,240	620	Utility issue fee (or reissue)	
143	243	440	220	Design issue fee	
144	244	600	300	Plant issue fee	
122	222	130	130	Petitions to the Commissioner	
123	223	50	50	Processing fee under 37 CFR 1.17(q)	
126	226	180	180	Submission of Information Disclosure Stmt	
581	581	40	40	Recording each patent assignment per property (times number of properties)	
146	246	710	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	249	710	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	279	710	355	Request for Continued Examination (RCE)	
169	269	900	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)	Peter J. Osredkar	Registration No. (Attorney/Agent)	45,795	Telephone	315-422-0121
Signature	<i>Peter J. Osredkar</i>	Date	08/15/2001		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**BOND,
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Attorneys at Law Since 1897

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August 16, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: George E. Bittner

**Title: APPARATUS AND METHOD
FOR A HEAT ENGINE**

Reference No.: 050438-302286

**Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Services on the date shown below with sufficient postage as express mail in an envelope addressed to Assistant Commissioner for Patents, Box Patent Application, Washington DC 20231

Express Mail#: EL908814014US

Cindy K. Moran
Cindy K. Moran

Date: August 16, 2001

Dear Sir or Madam:

Enclosed are the following:

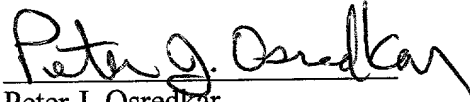
1. Utility Patent Application Transmittal;
2. Fee Transmittal;
3. Fifteen (15) pages of Specification;
4. Nine (9) pages of Claims;
5. One page Abstract;
6. Four (4) pages of drawings;
7. Declaration (two (2) pages);
8. Information Disclosure Statement;
9. PTO Form SB/08A;
10. Seven (7) cited references;
11. Check in the amount of \$926.00.

705375 01 08/15/2001



The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 501546.

Respectfully submitted,

A handwritten signature in black ink, reading "Peter J. Osredkar". The signature is written in a cursive style with a horizontal line underneath the name.

Peter J. Osredkar
Registration No. 45,795
Bond, Schoeneck & King, LLP
Attorneys for Applicants

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